



**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY / NEUTRON
LOG**

Company AMERICAN ENERGIES CORP.
Well TIEN #1-10
Field WILDCAT
County NORTON
State KANSAS

Company AMERICAN ENERGIES CORPORATION
Well TIEN #1-10
Field WILDCAT
County NORTON State KANSAS

Location: API #: 15-137-20583
1490' FSL & 330' FEL
SEC 10 TWP 4S RGE 23W
Permanent Datum GROUND LEVEL Elevation 2337
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL
SONIC/MEL
Elevation
K.B. 2342
D.F.
G.L. 2337

Date	9-14-11
Run Number	ONE
Depth Driller	3738
Depth Logger	3738
Bottom Logged Interval	3714
Top Log Interval	3100
Casing Driller	303
Casing Logger	303
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1 / 69
pH / Fluid Loss	11.5 / 6.4
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.10 @ 82F
Rmf @ Meas. Temp	0.83 @ 82F
Rmc @ Meas. Temp	1.32 @ 82F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.810 @ 112F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	9:15 A.M.
Maximum Recorded Temperature	112F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	DAVE GOLDAK

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: HILL CITY, N TO HIGHWAY #9 & #283 JCT., 6 1/2N, W INTO,

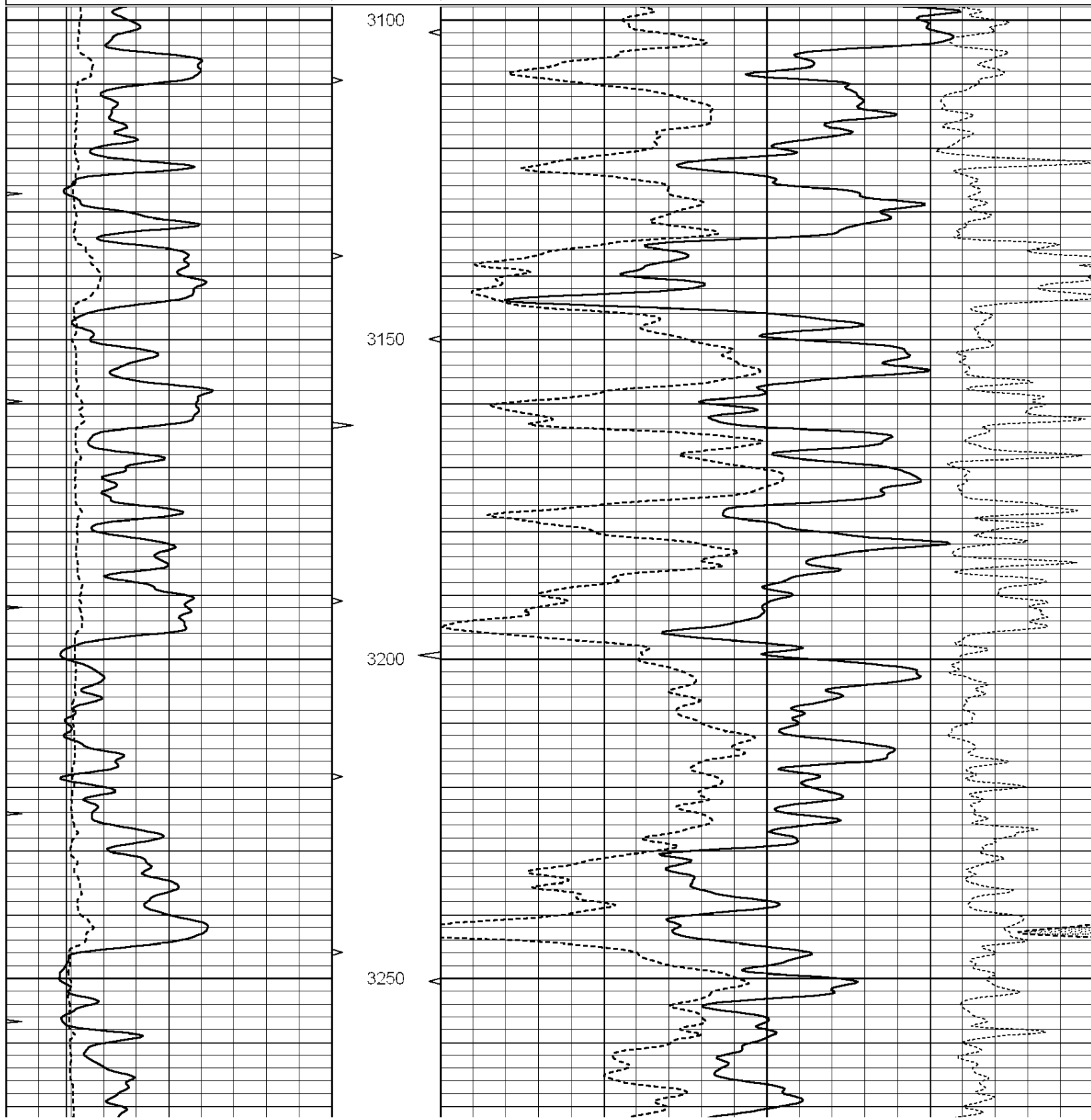


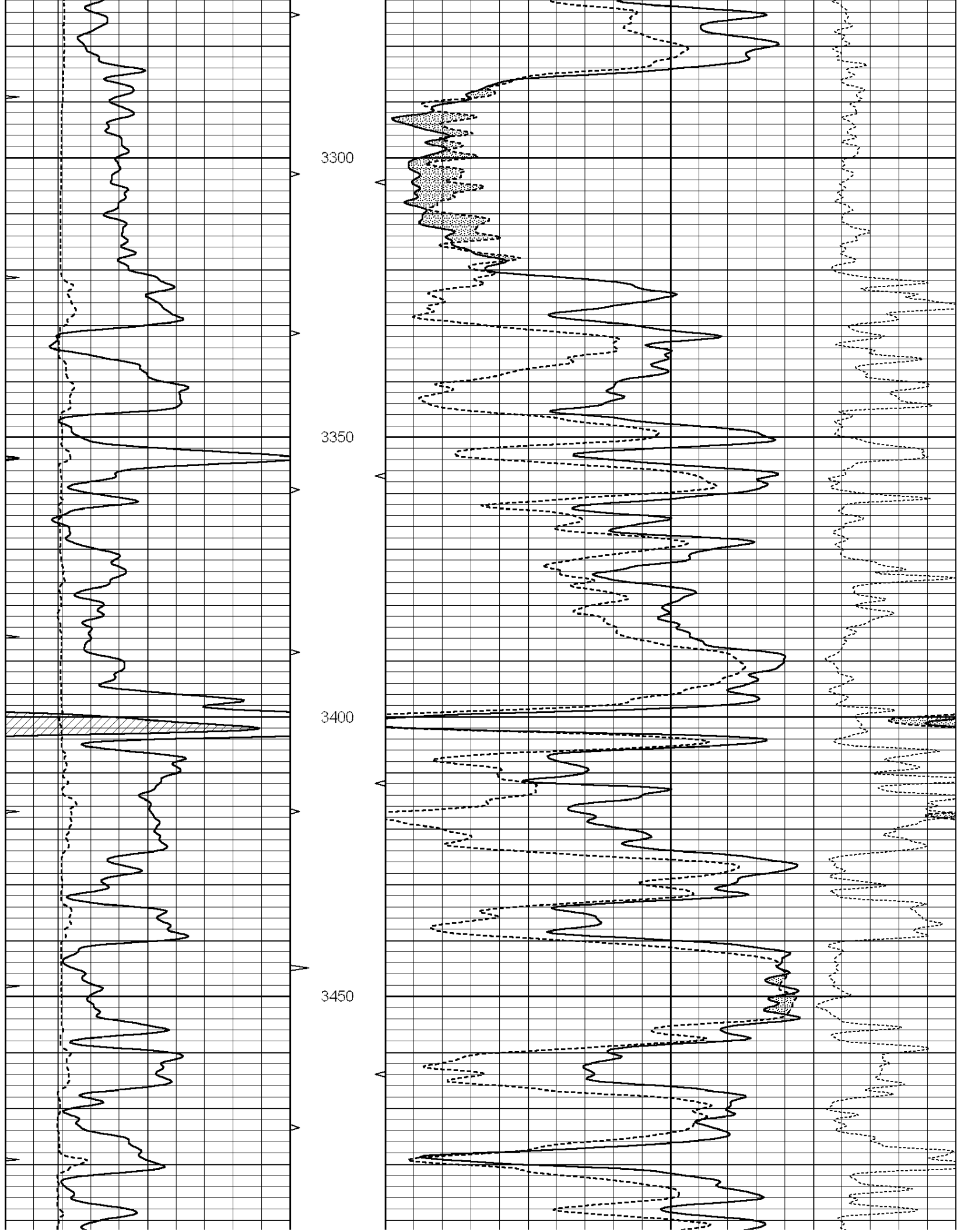
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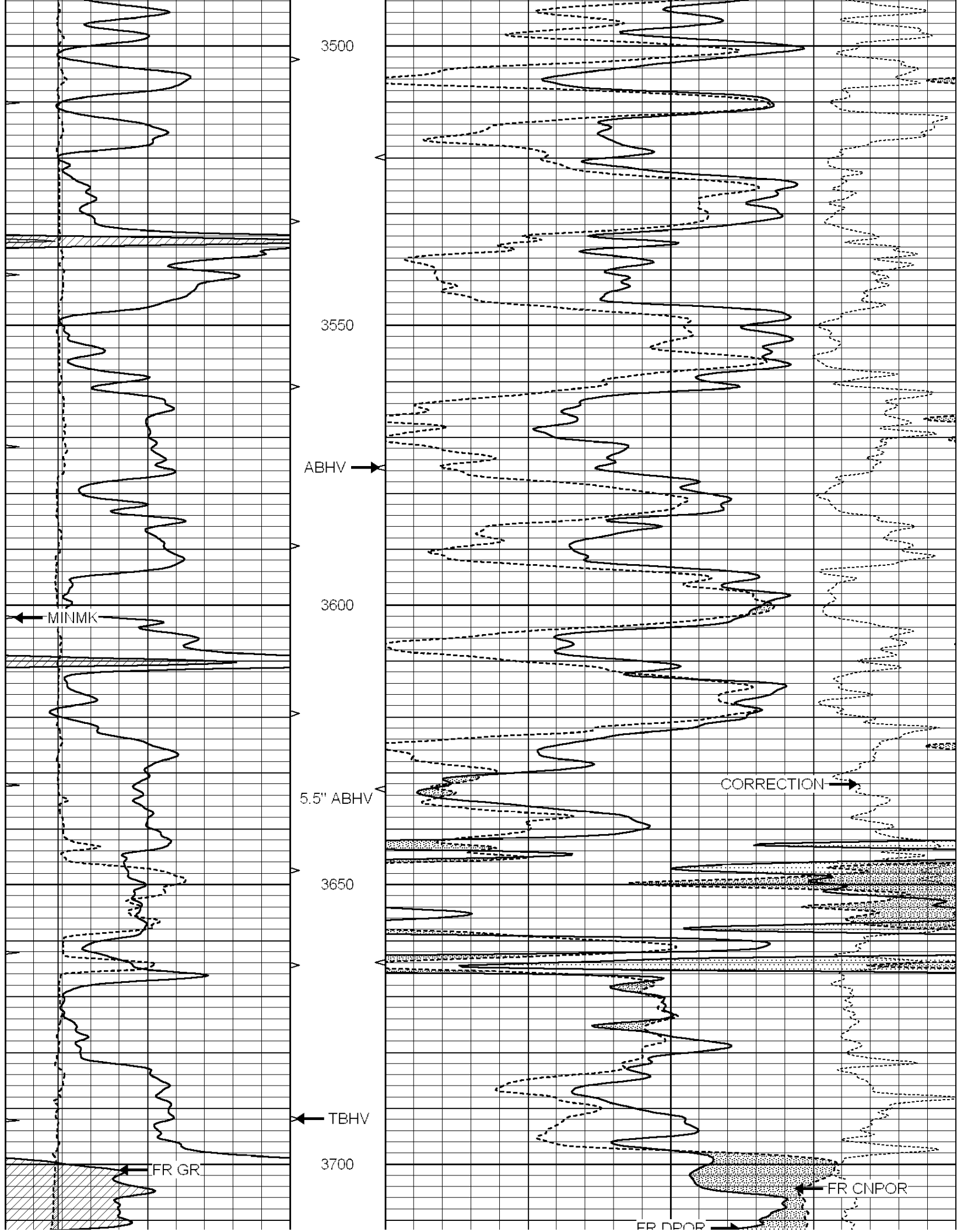
MAIN SECTION

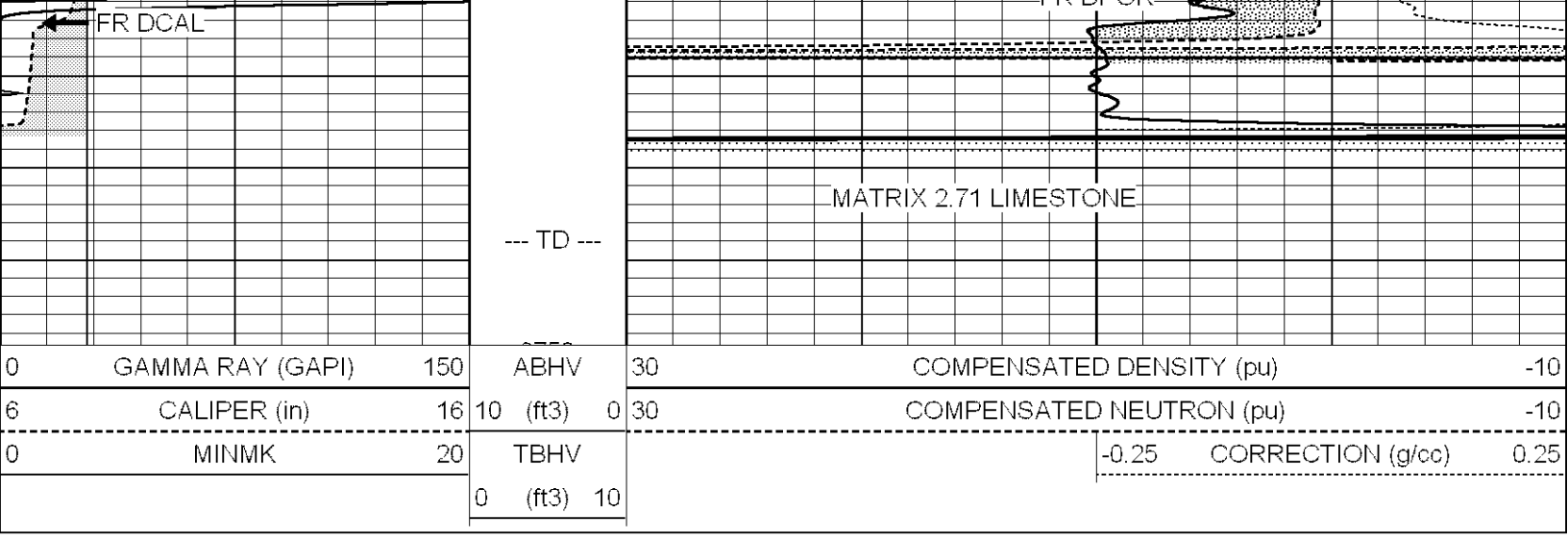
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 Dataset Pathname: pass3.1
 Presentation Format: den_neu
 Dataset Creation: Wed Sep 14 10:14:46 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		







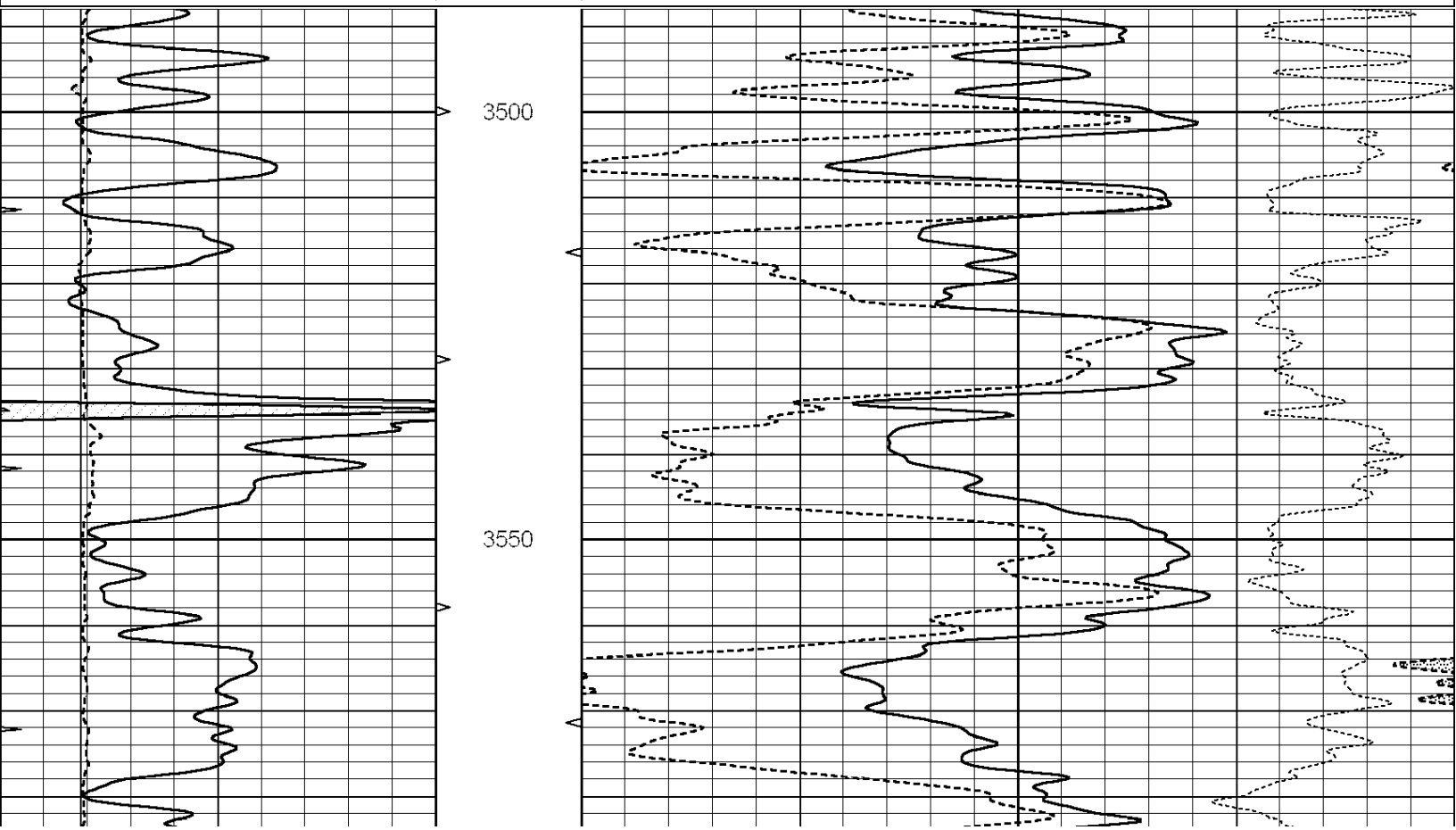


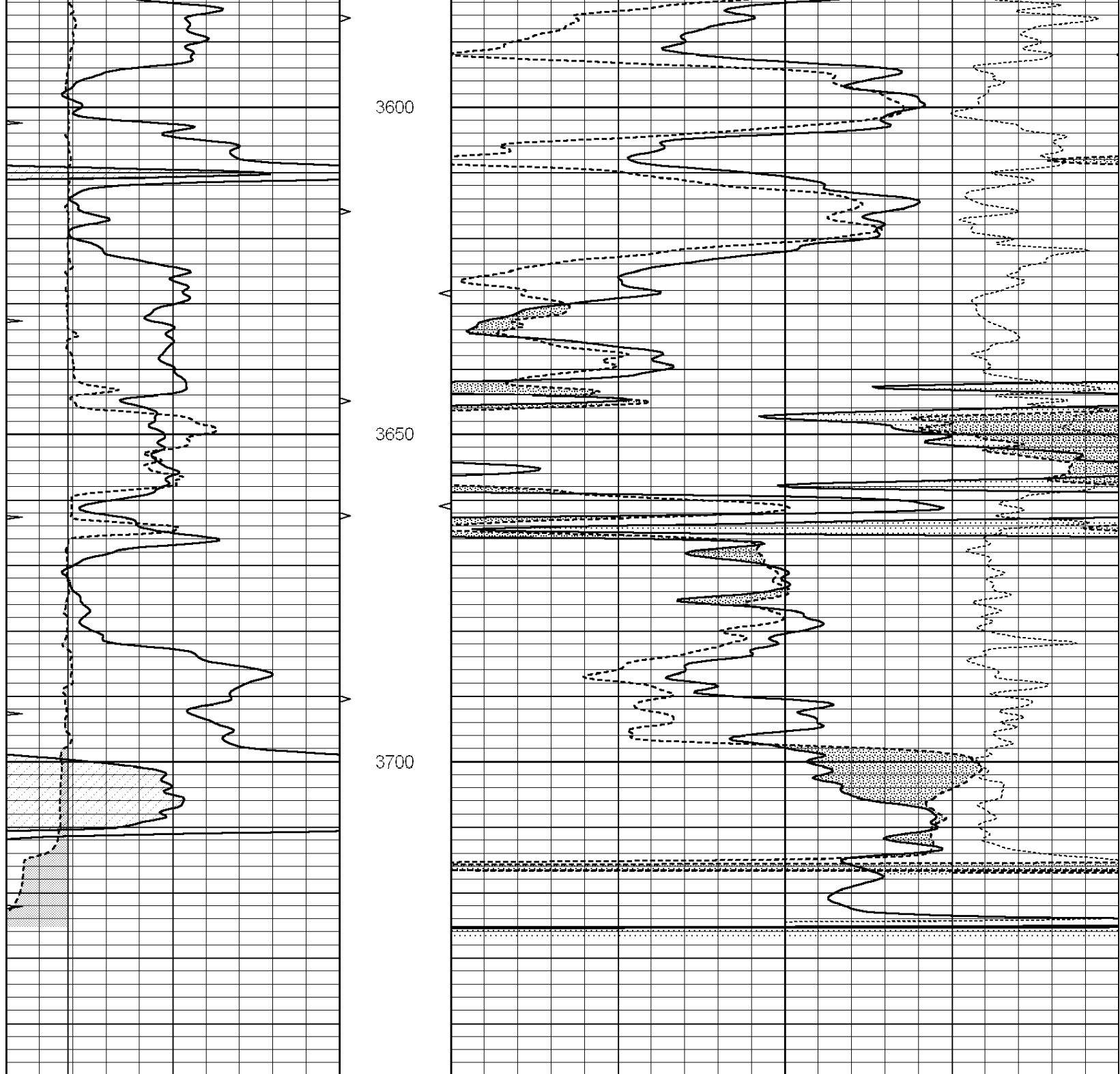
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REPEAT SECTION

Database File: 007751ddn.db
 Dataset Pathname: pass2.1
 Presentation Format: den_neu
 Dataset Creation: Wed Sep 14 09:17:24 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		





0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		

Calibration Report

Database File: 007751ddn.db
 Dataset Pathname: pass3.1
 Dataset Creation: Wed Sep 14 10:14:46 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR
 Performed: Wed Sep 14 08:54:07 2011

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	540.000	-18.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	560.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
 Source / Verifier: 147 / 147
 Master Calibration Performed: Wed Sep 14 09:15:39 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1243.76	629.14	cps
Aluminum	2.590	g/cc	282.16	435.01	cps
Spine Angle = 76.03			Density/Spine Ratio = 0.576		
	Size		Reading		
Small Ring	9.00	in	3.44	V	
Large Ring	14.00	in	5.20	V	

Compensated Neutron Calibration Report

Serial Number: NUE_2I
 Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR5
 Tool Model: OPEN
 Performed: Wed Sep 14 09:21:01 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.6500 GAPI/cps